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No. 3

To Duncan's Therapeutics
next year 1860

# Lectures upon the Principles of the materia medica.

Gentlemen/

We have surveyed the body in its healthy state; that is a state in which all its functions are performed with ease, regularity & order. We proceeded next to view it in a morbid state; that is in a state in which its functions are performed with difficulty, & irregularity. ~~and disorder~~. We come now to treat of the means of removing this ~~sic~~ dis~~order~~ ease, and the means which predispose, or which follows it.
to it. The part of a Course of

✓ It is not my business to treat minutely upon ✓ I regret that the limits of our course will not permit me from minutely treating upon all the articles of the materia † It will be sufficient if I medica. open an arsenal of the tools & discover the weapons of our medical warfare, & the manner of using them I shall endeavour to apply on a field day. Hereafter I shall call them to in real combat & numerous enemies of the life of man.

I shall first read the Articles contained in our Syllabus under the head of Therapeutics. —

of Institutes is called Therapeutics,
or the methodus medendi by the
Schoolmen. It contains in
a short an other words
~~the principles of the Materia~~ of the Articles of the
~~Materia Medica & the~~ their
~~Medica, or the~~ theory of the Action
of Medicines upon the human
body. The first Article in our
Syllabus is an inquiry into the
supposed powers of nature in
curing diseases. Upon this subject
I shall read to you an extract
from an oration of the diseases
of the Indians of N. America ch
by
V

In addition to what I have
has read, I shall only remark against the
powers of nature ~~vanished formerly upon the diseases~~

~~Of Dumb Animals~~ Sickness & death
Dumb Animals,
are nearly synonimous in ~~Blood~~.

Even Catarrhs so easy cured by Medicine
often prove fatal to Cattle & Horses owing
to the feeble- or ill directed operations of
nature. Even Catarrhs so easily cured in
the human Species, often prove fatal
to dumb animals.

I delivered before the american
philosophical Society & published
in the year 1772 in this city.
— I am the more disposed to
read this passage to you, as it
will vindicate me from the
charge of having borrowed my
upon this subject
principles from Dr Brown & and
shew that the Doctrines I have
taught from this chair are
near 30
the result of ~~more than 25~~
years steady & reflection. —
[ Here bring in the extract
p: 44. Vol: 1

V

V as well ~~a~~ might ye subscribe to the
boasted but absurd
Omnipotence of reason in morals, govern-
-ment and Religion, as subscribe to the
salutary Operations of Nature in Diseases.
are
- ~~It formes~~ as the powers of reason ~~is~~
chiefly to
limited ~~only to providing for~~ those as to
which are intended to support our bodies
such as agriculture, and the mechanical
Arts, so the powers of Nature are limited
to those as have
~~to the~~ slight indispositions, such as
been mentioned. In all the other diseases wh
have been enumerated Nature is as much
its late
human
appalled as Reason has been in the attempts
which have been made to introduce new
Systems of Morals, Governm & Religion
into the European world. —

I might here proceed to show ~~how~~ the pernicious influence of the Operations of nature in the moral & political world. Folly and vice of every kind are the fruits of "following nature". —The commotions, and distresses which have lately afflicted so great a part of our globe, have arose from the effects of ~~Reason~~, the rules of mankind "following Nature". But I leave these subjects, only to suggest what has been

② another question of and of a more novel & that is are there are is improper to use?

-mer that there are, necessary to know ~~what they are~~ them. I In infancy eruptions should never be cured without substituting a Diarrhœa in their room. 2 The bleeding pills should not be used in Old people, nor in middle aged people without substituting an artif.l outlet of blood to them. 3 There are cases of Diarrhœa which sh.d not cured too suddenly. 4 Intermitting fevers sh.d not suddenly be cured in maniacs Dr Bond's fact of Gloucester County. ~~5 Drops~~ It disposes a local Disease. 5 Rheumatism sh.d not be suddenly cured in Consumptive people, nor maniacs. Dr Thomas's daughter. - In° Pneum.a 6 Dropsy Ascites with caution after long continuance. The Vessels lose all power of acting, & the fever a distant organ which attends it ceases as more important, nature seems here, any Diseases which it To this question I answer that it is highly especially on the head, ^ ^

upon the Operations of nature
Said shall be to give you
in medicine, ~~and that I shall~~

~~do say~~ a single article of advice,
& that is
~~this~~ :/\- whenever you are called
to visit a patient in an acute
or dangerous
Disease, always to beat Nature
as you would do a noisy
Dog or Cat in a sick room,
that is first turn her out of the
room, & shut the door upon
her, before you prescribe for
~~you~~ your patient. ∴ V
In the further discussion
of the subjects contained in

Artificial stimuli to supply the place of food or medicine. Death often ensues stopping & many live long without it. Anasarca should not be cured, ~~suddenly~~ when it ensues in mania.

After all - as disease is preternatural, it should ~~when safe~~ when safe be radically removed by strengthening the system.

ous syllabus, you see I have
inverted the Order of Dr Cullen's
materia Medica. He begins
with nutrientia or aliment,
and proceeds next to stimulants,
and afterwards introduces his
class of sedative medicines. As
the first stage of disease is gene-
-rally marked with ~~too~~ violent
morbid action, I shall begin
with the remedies that are propor
to subdue it. Then are sedatives,
the stimulants will come
in after morbid action is

in part or entirely subdued, &
the Instrumtia or Aliment will
be ~~improper~~ introduced to obviate
the debility that predisposes to the
disease, or which is left by
remedies that have been used to cure
them. V proceed then
to speak of the
Remedies ^ which remove morbid
Action by abstracting stimulus from
the diseased part either directly
or in other words cure disease — after it is formed.
or indirectly ^ ——— They are V
1 Rest: 2 Abstinence
3 Vs: — 4 vomits, 5 purges. 6
7 Diuretics.
6 Sweats. 8 Cold air 9 cold water
10 Ice. 11 low diet 12 Darkness.

V I shall only remark further upon them, that they all act more or less ~~by~~ after reducing morbid excitement, by (which is always partial) diffusing it equably thro' every part of the body. —

Hereafter I shall treat of each of them. Rest & fasting are proper in the forming stages of diseases. For the cure of the latter remedy see Dr Miller &c

13 Silence . 2 Fear & other sedative passions ch
remove morbid action by Digitalis
nitre, & certain preparations
of lead & by exciting it in others .
I shall discuss on this occasion
I [illegible] deliver such observations
if in speaking of the case of
inflam[illegible] fevers, of great morbid action
unnecessary to as will render it
these remedies add any thing upon
occasion . V upon the present

The 5th article in our syllabus
includes the medicines + which
remove morbid action by exciting
a stronger & healthy action in
the diseased part, or in some

v have been called stimulants. They
~~are supposed~~ act, by converting the excitability
of the system into excitement. I am=
=knowledged my ignorance formerly
of what this excitability is. Dr Gistan=
=ner supposes it to be Oxygen. There
are ~~solid~~ some Objections to this Opinion.
But I am satisfied that it is matter
of some kind. I formerly compared
excitement to water, & excitability to
vapor. They are like ~~the same~~ water
& Vapor convertible into each Other.
The mobility & tonicity of excitability, compared
w excitement is illustrated by the tonicity
& mobility of ~~Water~~ Vapor compared with
water. — I prefer the term Excitab[illegible]
to sensorial power. I because it implies
a substance, & not a quality. & because
sensorial power implies sensation, and

Other part of the body. These remedies ^V

To understand this ~~the~~ indication
or the manner in which stimulants oper-
of cure, it will be necessary to
-rate, ^ it
repeat 1: That there can be
but
~~more than~~ one action in the
Systems
certain parts of the body at
Once. 2d: That I say in
Systems
certain parts, for I shall show
two
possibly that there may be two:
Systems
bid actions in different parts
at the same time. Just so
of
is morbid action in the blood-
vessels & bowels, at the same
the
time in ^ Dysentery. There is
morbid action in the blood

we know there may be a great accu-
-mulation of excitⁿ and even mor-
-bid actions in a part without
sensation of any kind. —

blood vessels & nervous
system at the same time as
in febrile affections. There
is morbid action in the blood
vessels & lymphatics, at the
same time, as in the simple=
=ous state of fever. — Thus every
le morbid action in the blood=
=vessels & skin at the
same time, as in the small
pox & measles admitting
these cases of two actions
in the body at the same time
you see I dissent from Dr
Dr Brown & Dr Hunter who

denies the existence of two morbid actions in the body at the same time. ~~It~~ This mistake arose from superficial Observations, and from an ~~ignorance or in-~~ =attention to the division of the body in different Systems which I have introduced into my lectures ~~& into One~~ & ~~some~~ of my ~~late~~ publications.

~~These Observations being premised~~
~~I proceed to~~
~~I go on to prove that~~
2ly ~~That~~ But two actions of equal force cannot exist at the same time in the same System. The measles & small pox both affect

by I repeat again

V 3. ~~How~~ All stimulating medi-
=cines act more upon one part
of the body than another. Or in
other words, Medicines act Specifi-
=cally upon the different Systems.
Of this I gave many examples
particularly upon poisons.
in our pathological lectures.
It is astonishing that this opinion
of the Specific Operation of medicines
should ever have been called in ques-
=tion. Vomits & purges how time
have
immemorial afforded proofs
that truth of Jalap is is
of it. Mercury & Canth aides in
it. the existence of
into the Bloodvessels.
in modern times prove Dr Darwin
Specific stimuli
among other facts in support of
it, relates a case of a man

the blood vessels, but never at
the same time. The actions are
prescribed according as the contagions
are recent, or evanescent. The
eruptions of both diseases
often appear at the same time
on the skin, but the times of
their appearance in succession are always
in succession to each other. V

These observations being premised,
I go on to remark, that stimulating
medicines act by where they
cure a disease by exciting a stronger
either healthy or morbid,
action in the system, than that
or less natural, than that

who had a palsy in his legs, on whom ~~a fire~~ the torch of a fire produced no pain, but who felt in the sound sensible man-ner, the heat of a common fire. —

V It is a common objection to many ~~medicines~~ remedies, that they are worse than the disease. It is necessary that they should be so, otherwise how could they overcome that disease? In cases where the morbid action surpasses the natural force of the remedy, depletion should be used to turn the balance of power in favor of the medicine).

The action excited in the system may be either a ~~new~~ natural or a morbid one,

in ch: the discase consists. Sup:
=pose the force of the discase to
be 20, and the force of the medi=
=cine to be 30 — the morbid action
will yield at once to the force
of the medicine. — Frequent:
you see the benefit of depletion
in discases of great morbid action.
Depletion in this case
It may be compared to wrasling
An Antagonist by with box
wrestle with him. Stimulants
often do harm by being given
too soon, before the system has
been depleted by nature or art.
Dr Dunham never prescribed

less dangerous than the existing disease.

as Opinion - or Y -

them without previous explanations
of some kind. I shall ~~illustrate~~ explain
my meaning by reasoning my
numerical illustrations. Suppose
the force of a disease to be 30
& the force of a medicine to be
20. In this case, it cannot over=
=come the morbid action — But
it is not altogether inert. It
encreases this morbid action. ~~It~~
~~Sometimes~~ This has been Observed
frequently in Intermitting Fevers
fevers, where the Bark has been
given without sufficient
previous evacuations. These

V This observation will enable you to understand the reason = -sons are sometimes wholy & similar dis = opposites of each other. Eg: Bark has eases cured by remedies, the cured the yellow fever as certainly as V.S. — But it has been in some instances, been thro' slight cases only, in which the morbid action of the blood vessels has been weaker than the ~~action~~ excited by the stimulus

Take no Notice - Remedies ch. W. cure diseases by inducing other actions, sometimes indeed Of the Bark. ~~Of~~ morbid actions that are safe, as Opium & Q. determine to surface by sweat, or mouth by salivation. ~~It is probable~~ There is a great variety of stimulants, all producing a different action — probably they cure in some cases by exciting a new action — of less force than the disease, but so different from it that both cant exist at once. Perhaps

Stimulants act either directly upon
the diseased part, or indirectly by
acting upon a healthy part of the
body. — Eg: a few drops of Laud:
will check a ~~violent~~ vomiting
when it arises from a moderate
degree of morbid action in the
stomach, by acting at once upon
the morbid part. Again. Bark
& Opium will cure a moderate degree of
action in the blood vessels by exciting a
a stronger action in them thro'
the medium of the stomach. V
I refer you to Dr Cullen for a
Catalogue of Stimulant. medicines

This depends on difference of sensibility in the parts acted on by the disease, & by the medicine. all stimulants cure in one of 3 ways. 1 by exciting a stronger, or 2ly an opposite, action from difference of sensibility or 3d a new or specifically different action.

V I suppose the force of the ~~dis~~ disease to be 40, and the force of the medicine to first reduce the disease to 25, or 20 of course be 30, the morbid action will yield to the force of the medicine.

This reasons is the practice of Dr Brown. ~~practice~~

who advises giving stimuli nearly equal to excitement & then gradually reducing them the practice is Dangerous & absurd.

I shall now deliver a few rules for their exhibition. ——

1 Begin by reducing the system below the force of your medicines by means of depleting remedies. There is an advantage in depleting, which greatly favours the Action of stimulating medicines, and that is, it accumulates the excitability of the system & thereby extends the force of the medicine. surface on which is intended to act.

It was probably to obtain this advantage among others that Dr Sydenham even prescribed a tonic medicine in a Chronic disease, of without previously ordering a

The same remark applies to Bark - Bp & all other stimulants.

V There are but two exceptions to this rule, formerly mentioned - 1 Where it is necessary to destroy irritability as in some hæmorrhages by Sac: Plat. & in other diseases by Digitalis, or 2 where it is necessary to dissipate excitement as in Tetanus.

VI During this time take care to defend the system from all adventitious stimuli as too much light, - conversation & exercise - for these by combining with your medicines will hurry on the system to ~~irritability~~ depression - & thus defeat ~~the~~ the design of your prescriptions.

Exp in Dr Potters case - in 22 Drops - 9 X drops at 4 X hours distance
in Mania Hæmorrhagica Dr Gave 5 drops Exp.

~~The more you use of Dr Brown's~~

vomit, ~~or~~ a purge ^17 or vi. ~~ss~~ ℥

2 ~~Begin~~ In cases where the asthenia
= bility is greatly accumulated, or in
Other words, in the first stage of acute
Diseases, begin by giving small
doses of stimulants, & increase
them gradually, till you impress in
force the strength of the disease. —
This direction is of great importance.
Five drops of Ll. given in the
beginning of a fever will produce
a greater effect than 50 drops in
the close of ~~the~~ a fever after the
excitability of the system has been
dissipated. ^11 — But in cases where
there is no accumulation of ℥xii ℈

V Causes which predispose to the Jail or hospital fever. —

I ~~would~~ advise not only ~~advise~~ large Doses of Stimulants in an exausted state of excitab^y. but I wish to caution you against small doses of them. While large either convert it Doses arrest excitab^y. - and ~~suffocate it so~~ ~~acts~~ suddenly into excitement, or suffocate it to be converted gradually into excitement, small doses of stimulants expend it, & thus accelerate Death.

I reduce the System & accelerate Death.

The physicians of this Cata ~~ss~~ Pitt objected to the application of blisters to the soles of his feet in the low & last stage of his illness, wisely giving as a reason for it, that ~~by not doing so he might~~ they would hasten his Death, for they were too feeble a stimulus to excite his System, & barely strong enough to dispate the feeble remains of its excitab^y. all the great Cures I have ever seen or heard

begin with large doses of ~~tonic~~ stimulating Medicines. This is generally proper in the close of all diseases, but it is proper in the beginning of one disease viz: the low state of fever, commonly called the Jail fever. Dr Robertson tells us that he strangled this fever in the military, and naval hospitals in many hundred instances by giving three or four ounces of Bark in a day as soon as the disorder showed itself. Have take notice, the action of the bloodvessels is moderate or rather feeble, and the excitability of the System nearly exhausted by those debilitating

of in the low & last stages of this disease when performed by apt hands

large doses of Opium or large quantities of fermented or distilled liquors, or of stimulating aliments &

or Cathartics of the bowels in this disease in which the exercise of the system is small, or violent exertions of the body. In a snow storm nearly exhausted, is owing I believe in a Shipwreck &c.

Patients in those situations, as well as in the Close of Chronic diseases often recover when left to themselves or when they leave off taking medicines, only because the common but gentle stimuli which support animal life are exactly accommodated to their exciteb.y and instead of wasting it, convert it gradually into regular excitement & health.

Dear! again Gent. the rules I formerly interdicted - nulla medicina" - and "Omnium de tabula" or in other words "Omnium e Officina". It will be necessary

[lift up the leaf>

causes which predispose to the
Jail or hospital fever. ~~Epidemic Physician~~ A Story of an
~~Epidemic Physician~~ too many stimulating
3 Do not combine ~~two~~ ~~two~~ remedies.
many of them
~~together~~ .. ~~Most~~ act best in a simple
state, or nearly so. — ~~But there~~
is the same advantage from using
them in succession, that there is
from discharging the arrows from
in a deceptive manner. E.g. Wine
a ~~gun~~ Quiver ∧ It will enable you
above best in Tetanus. —
to contend longer with a disease,
than if you disposed yourself at with ⊙
once of all the means of contending it.
It is unavoidable, they have all certain
~~It will moreover enable you to~~
on the body
~~distinct~~ specific effects. Perhaps
~~Select~~ two of them ~~are~~ alike
4 Use stimulants in rotation. As
soon as One loses its effect, give

to Distinguish carefully between that state of
the System in which excitab[y] is merely ex-
pended, and that in which it is suddenly
destroyed. Thus the crisis of
a Disease. Here a patient who could have
been borne tipsy of wine without feeling it
a few days before, will be intoxicated, or
destroyed by a single glass of wine. Also
of all other Stimulants. Powerful Stimulants
act by inducing an artificial Crisis which is
like a natural Crisis,
followed by an evolution of a large Quantity of
excitability soon afterwards. This is not to be given
powerful Stimuli in beginning Diseases.

Physician remarkable for the wide-
=spread success of his practice, was
asked by a young Physician on what
the Secret of his successful practice de-
=pended. He told him — "on prescribing
doses of opium twice as powerful
as his brethren."

To this remark there are some Objections.
Some medicines are only in a state of
mixture. Dr Rhumside cured Cancers with
a Combination of Hemlock — Cor: Sub: &

causes which predispose to the
Jail or hospital fever. ~~English Physicians~~ too many stimulating
3 Do not combine ~~two~~ remedies.
many of them
together. ~~They~~ act best in a simple
state, or nearly so. — ~~But~~ there
is the same advantage from using
them in succession, that there is
from discharging the arrows from
in a different manner. E.g. Wine
a Quiver. It will enable you
above best in Tetanus. —
to contend longer with a disease,
than if you deprived yourself at
with ⊙
once of all the means of contending it.
It is unwashable, they have all certain
~~It will~~ ~~enable you~~ to
on the body.
~~a~~ distinct specific effects. Perhaps
two of them ~~are~~ alike
4 Use stimulants in rotation. As
soon as one loses its effect, give

Bark after giving each of them seperately
to no purpose. Valerian & Bark united
were cured a head ache in the Infirmiary
of Edin.r: after each of them had been given
for a long while without Success. ∓ ~~This~~
The result of these Combinations of medicines
can only be known by experience, &
this experience I believe is Oftener the effect
of accidents, than of reasoning upon this
subject ∓

combined
∓ Opium & alkalis, Dr Stutz says cure
the Tetanus, when neither of them
seperately make any impression upon
that disease. ∓

V He likewise tells us he had known warmth
applied to the feet in the form of water cure a
Spasmodic Cough, while the same degree
of warmth applied to the feet in sand had
no effect upon it. Heat acts differently on
flesh as boiling - roasting &c

~~to be taken~~ ~~2 ounces~~ ~~The whole should be agreeable, of~~

~~their use is also beneficial~~ It should be made

pleasant by being made into teas, and some

upon certain simple vegetables that dissolve

into it. They should be Balm tea - tea Coltsfoot,

Grape - Currant - or Blackberry jelly Water

Cocoa: ½ to a pint. Raw - or Dried Apple

Dried Cherry water -

water - Barley water with lime Juice Lemonade, Tamarind Water - and Lemonade. They should be used in succession or rotation.

Some of these Drinks should even be

given hot or cold in a highly excited state of

the blood vessels, in as much as they increase the

and thus do harm. In a moderate grade of

Action in the blood vessels, they often induce Sweats,

but they have this effect more certainly

when taken warm. ~~or tea~~ only

These diluting Drinks besides washing

away out of the body, ~~are said to operate~~ counteract the

tendency of the febrile action to increase the

~~10~~ ~~11~~ 49.

(c) The same as the head of evacuants. also

Nitre & other neutral salts. Nitre acts powerfully on the stomach, and thus upon excitement from ~~abacts~~ the blood vessels. The pulse is reduced in force & frequency by it. It is not necessary for its action to be felt in nausea, or vomiting in order to its producing its salutary effects. The morbid for action may be great in the stomach, & no sensation attend it as I shall prove hereafter. The powerful action of nitre on this viscus is evident from the dyspepsia which succeeds its long use in ~~pulm~~ pulmonary fevers. Its dose from 9 X to XX according to the frequency of its exhibition. It is seldom ~~to~~ borne by the stomach

V like the neutral salts in
upon the action of the blood=
= vessels. This has been proved
by its accelerating the coagulation
of the blood. —

in Gouty habits ~~of~~ ~~it~~ 20
in bilious fevers. Sol: Tartar
& Sal Glauber ale
is the best neutral salts for this
state of fever. ~~Sal Glauk: is small~~
~~dose is likewise useful in this~~
Vit: Tart: has been common for
Rheumatism, but it has no
advantages over Nitre.
I ~~found nothing~~ ~~had no Opinion~~ of Sp[t]
not being in the practice of
Friends: ~~having occasion prescribed~~
~~it.~~ using it. The Salt of tartar acts
2 certain preparations of Nitre
These are numerous. I have
prefered ~~it~~ Nitre in small Doses
to them all. It certainly pro:
motes a detasm: to the skin, ~~&~~
lowers the pulse when it excites
a Nausea, but I am disposed
to believe that like Nitre it
excites a ~~secondary Action on~~ acts upon
the Stomach, without inducing

sensation in it. Ipec. may be substituted in its room where we cannot limit the dose of the Tart Emet: from the Variety in its preparation. Hive Syrup of Tart: powder.

Related to Antimony in its effects upon the Stomach is the Seneka Snake root. It promotes sweating by its action on the stomach, for it is but feebly stimulating to the whole System - hence its great Utility in pleurisies - angina & Rheumatic states of fever.

3 Drops of lead has lately been given to reduce the morbid action of the blood Vessels. ~~I can say nothing in its~~ It has that effect to a great degree in hemorrhagic state of fever - probably from its powerful

V the irritability of the arterial fibres.

in ~~preaching~~ 22 lessening ~~to~~ ~~it~~ vitality of the
~~nervous fibres~~ antagonal fibres. It seems to
Action ~~In the stomach & bowels~~
act this ~~in~~ the medicine of the stomach & bowels.
I infer this, from its inducing
Colic, & even palsy when taken
by design or by accident in persons
who work in lead.

4 The Foxglove has been lately
used to reduce morbid action in
the hyperacthenic ~~Stage~~ States of
It acts like the sugar of lead by lessening
fever. I can say nothing of it from
my own experience in those fevers;
~~In Dropsy~~ It has been used with
success in the Hydropic & pulmic states
of fever. I have tried it in both, but
with so little prompt as not to recom-
the
mend its use. All physicians who
advise & commend it, limit its
use only to that state of those fevers
in which the pulse is full, or
tense. ~~While I was a Lancet~~
~~was~~ In these cases the Lancet &

V I say the external application
of the Oil — for frictions in a highly
exited state of the Arteries & with
visceral Determinations I believe
always do harm. I think it proba-
ble that the friction which is used
to the body with a Mercurial Oint-
ment is often hurtful in the above
state of the System: in the yellow
fever. But there are cases in which
friction with Oil is injurious & that
is in a delicate state of the Skin from
a gangrenous or putrid State
of fever. Dr Pugnet says in the
malignant bilious fever of Upper
Egypt it produced a general eschymo-
sis over the whole body: & thus
did mischief. Oil when gently applied
to the whole body I believe has done
great service in fever of great morbid
excitement

~~17 20~~ 23

he prefs: as living above Safe, and
certain. ~~The Digitalis acts as a~~
~~Stimulant~~ It has done great
mischief in a Congeid State of the
pulsed System.

5 of the external Applications to
the body. Sweet Oil has been found
to be useful in fevers of great
certain
morbid Action. V. Piso speaks of it as
a common remedy in the Lynochus
~~fortis~~ of South America. It has
lately been used in the plague of
Asia & Africa. From its sedative
effects ~~it produces the pulse~~ it
effects in local inflam: I am disposed
to think well of it in general
fevers of great morbid Action.
It was a common Remedy
among the Ancient Jews, hence
we find it recommended by the

~~# Of Upper Egypt this last was~~ 21 ~~followed with~~ irritation of the Skin by friction with oil was followed with general Ruby more. Of ~~cases it is hurtful when~~ a tendency to petechial takes place in ~~blood~~. ~~The first~~

V From the experiments of Dr Jackson it appears to reduce the pulse when applied to the external surface of the body. ~~The cases known in which it is improper.~~ ~~Purgatives~~ Ligatures

# 6 Dr Stewart has lately recommended a method of reducing morbid excitement by means of ligatures upon the extremities so tight as to check the return of the Venous blood to the viscera. In this way they are deprived of the stimulus of the blood, and thereby enabled to resume their healthy Actions. 7th

# 7 Dr Stoll of Vienna advises for this purpose of reducing ~~morbid~~ the pulsations of sleep. His words are "no One knows how much exhausting a patient from sleep in a high fever, & how much wakefulness

Apostle James in the new testament.

V

Vitre dissolved in Vinegar has lately been used in the yellow fever in the West Indies to the head, & other painful parts. I have advised it with great advantage in the Rheumatism.

≠ Here then I conclude the Remedies for fevers of great morbid Action in which are included occasionally & always the malignant - the Typhus - the Typhoid - the Synocha - the Synochus - the Typhus - the Synochus - the Synochoid - the Typhus mitis. Before we proceed to the 11th general Head of Remedies for these States of fever I shall ask a single Question: Is there no other mode of taking down morbid excitement besides those we have been mentioned?

weakens a high fever, & prevents a delirium
vol. III Rat: med: p 109. Twenty Effects of
forced wakefulness in taming a wild, and
refractory horse, I am disposed to believe
great benefit might be derived from it in
fevers of great morbid action. It wants exc
2 By violent exercise or labor. I
shall hereafter ~~mention~~ inform
you of a man in Scotland who
cured the most acute & inflam^d state
of madness by compelling his patients to
perform the labor
of horses by working them into his
plowing ~~cultivating his fields.~~

~~& I know~~

It also
~~&~~ prevents its reaccumulation,
~~by~~ for this is one of y^e effects formerly
ascribed to Sleep. ~~I think I have~~
I have never tried this remedy, but
I think I have seen patients in vio-
-lent fevers awake as much worse
& even delirious after Sleep. I shall advise
it in this madness. Its effects
are very different I shall say hereafter
in the low state of fever. It accumulates
excitab^y for Sleep to act upon, &

Answer - there are - 4 that by
the following means, [illegible]
By sonorous frictions. as took
was cured in one night in one of
the friendly Islands of an acute rheu-
matism by living severely exhal
for 24 hours by dint of the rattan.
The rubbing gave him great pain,
but was well the next day. V

The Indians overcome great
morbid excitement, by strong
stimulating powers - these are
by expending it in excitation
stretching the affected part. Thus
they cure p = go to it p 26

in order thus to
~~thus imp~~ impart tone and
strength to the System. –
return to p 24
=

=plurisy by expanding themselves
by the arm of the affected side upon
a fence, or the limb of a tree. Anoth=
=ther powerfully stimulating remedy
used by them is the hot, & cold Bath.
The manner of using it is described
by Wm Penn in a letter to ~~Lindsay~~
Dr Baynard in the following words.
"Being upon a discovery in the back
part of the Country, I called upon an
Indian of note who was the Capt.
general of the Clans of Indians in those
parts. I found him ill of a fever. His
head & limbs much affected with
pain, & at the same time his Wife
preparing a Bagnio for him. The
Bagnio resembled a large oven, into
which he crept by a door on the
one side, while the next several
red hot stones into a small door

I was about 20 paces, & pushed himself twice, or thrice thereon, & so returned, Bagnio, to mitigate the Cold, to wrapping himself in his woolen mantle, he lay down at full length near a long but gentle fire in the middle of his Wigwam, turning him-=self several times. Till he was Day, when he arose, and assisted, in getting us Dinner, seeming to be as easy, and well in health, as at any other time".

On Cold Bath 289. 90

The Russians use a Bath like this for the preservation of health.

Upon these summary modes of curing inflam[m]ation I shall only remark that they were successful only

C. 27. 24/3

on the other side, & then fastned
the doors as closely from the Air as
she could. Now while he was sweating
in this Baggio his wife was cutting
her husband a
passage into the river
& being the winter of 1683 (when the
there was a great frost & the ice
very thick) in order to the rin=
=sensing himself after he came
out of his Bath. In up than
half an hour he was in so great
sweat, that when he came out,
he was as wet, as when he came
out of a river, & the steam of his
body so thick, that it was hard to
discern any body; & all that stood
near him. In this Condition
(with his breach Clout only on
him) he ran to the river, which

~~26.~~ 29.

1 in cases of external determination
as Rheumatism & pleurisy. ~~both of~~
2 In cases of toxic miasmas, or Russian
~~both~~ and 3 by ~~blood~~ in Indian Constitu-
=tions. Even even habituated to civi-
=lized life could here the frosted
Bath in the manner that has
been described. Even the Indians
after they were debilitated & emaci-
by their intercourse with y Europeans,
pain W^m Penn days in the letter
~~of~~ first quoted perished in the use
of that violent remedy. ~~for the~~
~~pain~~ At present I do believe there
exists no Substitute for V.S. & its
auxilliary remedies as Vomits, purges
Sweats, Blisters & Salivation. If the
Indian Remedies were uniformly successful,
they shd not be used, for I am sure they
would do more violence to the Constⁿ & nature
than all the depleting remedy y have enumerated
They hasten old age by them.

They hasten Dd Dee by them.

Another, & after you have exhausted
them all, must back again to the
first you gave. It is
curious to observe what new effects
medicines apparently the same, or
nearly related will produce upon the
System. Land. will often
do good where the solid opium fails,
& vice versa, — but Dr Wyt goes
further & says a Dose of opium
which has been made up for 12
months will produce effects, while
the same Dose recently prepared will
do harm? again. Mr Bruce tells
us that the inhabitants of Abyssinia
cure the debility brot on
by the rays of the Sun, by means

V no two medicines men of the
same class, ever exert exactly the
same effects upon the body. — Hence the
advantage of having several med's of the same
class under our command.

U. 6 When a stimulating medicine abruptly
disagrees with the stomach, do not abruptly
leave it off, but lessen its dose. It is
a good sign the medicine is doing good
when it becomes offensive to the stomach
or any other part of the system. It
shows the revival of excitability.

They hasten DW Doe by them.

of the warm Bath. — I believe that
5th Intermit in chronic disease occasi-
=onally the use of all stimulating remedies
—The Stomach by this means rece=
=ives its natural actions, and the
same medicines which began to be inert
new & powerful effects produce afterwards
taking 20 gr in a day — Opium after
& frequently change the part
Also Bark & Nervine after Intermit. 2 grains 2 hours induce sleep.
of the body to which you apply
stimulating
your medicine. The stomach from
its close connection with every
part of the system, has always
been presumed as the proper place
on which medicines are applied for
medicinal purposes, but when
the stomach rejects medicines

v ~~Fros~~ This ocurred to Gen Lachinhausen;
Evendorff whom used exclusively in one
Evestick, stimulates the other as if it had
never before been taken. Item: Drinker Jun^r

† case of a Lady see p: 34 of last number
& insert it. and it this year 1810

They hasten Old Age by Theirs.

or becomes insensible to this
action from habit, apply them to
the skin, and to the lower bowels
by means of Glysters. ~~I have~~ There
is a union
~~union~~ a fact relative to Tobacco
which when ~~long~~ chewed only on one
side of the mouth for several years;
produces ~~sickness~~ sickness & nausea, when
used for the first time on the oppo-
=site side of the mouth. This fact is
of great application. Opium when
inest in large doses in the sto-
=mach, produces all its salutary
effects in a moderate dose when
injected into the rectum. Bark
likewise when rejected, or inert

V ~~Thus~~ So different in its quantity or
Aptitude to receive impressions is the ex=
=citability of that it may be acted upon
by the same stimulants which have
exhausted, or prostrated it in one part of
the body, by applying them to another.
Eg: a Shock of Elec.ty applyed to the breast
of a Cock, revived & cured a Cock apparently
dead from a Shock on his head. By a
parity of reason Opium injected into the
bowels, wd probably counteract its effects
upon the Stomach — & even Electricity
obviate the effects of lightning, provided it
could be directed to parts of the body, not
injured by the lightning. + You see here
a fresh proof of the different seats of excitab.ty,
~~as well~~ & the importance of a knowledge
of them, as well as of its grades.

+ heed bring in p 39 of last number
on a Lady. —

They hasten OW age by Them.

in the stomach, produces febrifuge
virtues not only when injected into
the bowels, but when applied to
the skin in a quilted waiscoat. It
even is said to cure the intermt. fevers
when used applied to the lower
extremities in the form of a Bath,
or Infusion of the Bark in warm
water. V

Tetanus - back to back -

Remember in the exhibition
of medicines to keep your eyes
upon the four temperaments:
- they should regulate the choice
& dose of our remedies. Eg: To the
sanguine or temperaments strin-
-gents should be given lightly,

V & by Always recollect that chronic
diseases have their exacerbations and
remissions in common with acute ones,
and administer your stimulating remedies
only during those remissions. They are only
do most good at those times, but they do
harm, when given during the exacerba-
-tions of diseases. It is from the neglect of
Attention to this rule that we often fail
in curing Chronic Diseases. Intermit
tent remedants &c —

They hasten Old Age by others.

& more cautiously than to the phlegmatic. To the former the same rule is equally applicable — while the bilious temperament should lead us to be very sparing in the use of medicines which increase the irritability or activity of the Bile.

V

Having admitted the existence of specific stimuli, we are led not only to admit an indefinite number of stimulants into practice, but to admit such of them as appear to be of a feeble nature. — This direction is founded upon

They hasten Old Age by Pleasure.

another principle ~~into~~ the Animal Oeconomy - viz: ~~the~~ a difference in the excitability of ~~par~~ those parts of the body upon which medicines act, occasioned by the varying states ~~of~~ or conditions of the System.

- In treating upon the Ear, & the sense of hearing, I remarked that no sound could be perceived Unless it met with a part of the Ear ~~upon~~ which vibrated with it. Exactly the same thing must take place in every part of the body, when a medicine acts upon the body. In a loss or Abstraction of the excitability of the Stomach in a fever,

Thos Easton Old Book Dy Athens.

a Vomit produces no effect, because
none of the fibres of the stomach
vibrate with it. The same Observa-
-tion applies in all cases in wh-
-ich medicines ~~do not~~ are inert, &
they produce unusual effects, it
is because the force of the medicine
is disproportioned to excitability.
- I shall illustrate what I mean
by this direction by ~~a single~~ two facts.
There ~~is~~ was Lady in this city (Dr. Hopkinson)
many years ~~to~~ as to ~~not~~ sustain sounds. She
~~cannot~~ could not hear the firing of a Cannon,
but she distinctly heard the firing
of a musquet. She could not hear

V I was consulted sometime ago ~~with~~ by in case of
Hemiplegia in a gentleman of Georgia whose
was unable to put a ~~foot~~ Cut or two on the affected
legg & thigg, but who was thrown into Spasms
by simply touching those parts with a feather
or a straw. —

+ ~~not~~ We Observe ~~that~~ warm water to excite ~~vomiting~~ a vomiting,
while we know hot water has no such effect.
The Sea Air, and Country air cure by the feebleness
of their Stimulus vibrating exactly with the
excitability of the System. — It is ~~owing to~~
the

Boy hunter OW Coe by Thurn.

conversation, but he distinctly
feeble
heard the noise made by thrusting
a pin thro a piece of paper. The
would not
cannot distinguish the loudest voice,
but he could distinctly hear certain
soft notes of vocal music. These
facts prove not only the specific
operation of medicines, but that
medicines of feeble power, may
often produce effects which are
beyond the reach of such as are
more active. † I have known Parsley
tea cure a dropsy — now Palsely
is one of the most feeble of all the
class of Diuretics. Vinegar has
sometimes cured the scrophula,

V a spoonful of Castor Oil, or ½p
of Salts, ~~more~~ more the bowels, after
whole Drachms of Calomel - Jalap
Aloes & Gamboge have been given
to no purpose? Fire the weak purge
vibrated with the fibres of the bowels,
while the strong ones by y^r force destroy^d
this contractile power. ~~in short Diseases~~ returned p 24 N° 8
H 9 use [illegible] excite y^m is
10 Stimulants should be used ~~oo~~ in the
morning in preference to any other time.
The system is then most excitable, and
most readily feels the impressions of stimuli. It
is owing to this accumulation of excitability
that medicines ~~a~~ Purgatives rejected in the
morning which are easily borne by the
stomach at other times of the day. p^r 10
take them in bed
[illegible] over to 4th

They hasten Old Age by others.

Dandelyon has done wonders in hepatic & pulmonic complaints, & Pennyroyal tea has sometimes cured Obstinate nervous affections; now all these medicines exert but a feeble action upon the body. But further, who has not seen important, & should lead us in difficult cases to try medicines apparently insignificant & inert in this operation. ~~But further who has not seen~~

VIII We come next to speak of the Medicines which remove morbid action in one part of the body, by exciting it in other parts less essential to life. or in parts equally essential to life, but which have not been worn down by disease. p 371. A previous or nearly disorganized by

9th Lastly, a new principle has lately been started by Baron Liebig & Germany with res-
-pect to the exhibition of Stimulants; & that is, when there is a certain relationship which they bear to each other, which renders them effectual only when given in succession, & or when given in different states of excitability. Eg: The Oxygenated mu-
-riatic acid, & the muriate of Baryte have little or no effect upon an Organ until its excitab^y be exhausted by Alcohol. The tail of a Leech if deprived of motion by lying in a solution of potash, is easily excited by Electricity, but it cannot be moved by the strongest alcohol. Again - if excitab^y be exhausted by acids, it may be restored by Alkalies, but if exhausted by Alkalies, it cannot be restored by acids. A diluted nitrous acid dispels the action of a fresh nerve, - but restores it to a nerve exhausted of its excitab^y by means of Alkalies. Alkalies prepare for the action of poisons. Dr Brown - These facts are important, and will I hope lead to a more successful mode of exhi-
-biting Stimulants. Our knowledge under this head must be acquired only by experience, for no reasonings can conduct us to anything certain upon it. I shall however offer a conjecture,

They hasten Old Age by others.

ject & system with me. They all
by their practice,
subscribe to this indication of cure,
In this respect they resemble
~~all like~~ the polite citizen turned
Gentleman, who was delighted to
upon hearing that Language was
composed of poetry & prose, that
he could ~~both~~ speak ~~Elevate~~ prose
without having been taught it;
In like manner Physicians cure
diseases, by creating others, without
knowing it. They cure a headach,
by creating a Diarrhoea by means
of a purge. They cure morbid
action in ~~internal~~ the viscera
by exciting a greater degree of it

Does the previous ~~medicine~~, or medicines ~~~~ exert excitability, so as to cause the nerves to vibrate with the last medicine? Or does it excite Dormant excitability for the same purpose? — return to p. 28. vij —

D

V ~~and last~~ They attempt to cure morbid Action in the lungs by exciting it in the stomach by means of Vomits. — Wepfer has gone further than this — he relates a case without appearing to understand the meaning it, in which a severe flogging on the back prevented & cured an incipient apoplexy in a man who Obstinately ~~was afraid~~ ~~of~~ refused to be bled.

They hasten Old Age by Pain.

on the external parts of the body
by Blisters, & cataplasms. They
cure natural hæmorrhage by that
which is Artificial. viz by V.S. —
They cure preternatural effusion
of water in the belly, & limbs,
by exciting a preternatural ~~Diseha~~
action in the Secretory Vessels of the
kidneys. They cure Morbid action
& effusion
in the ~~Vessels of the~~ brain, by ex=
-citing morbid action in the Throat
& mouth by means of a salivation.

Many other instances of common
or similar
practice might be mentioned
which establish the principle con=
=tained

I shall only repeat here the
~~mention one~~ fact from
Dr Hartley which is directly in point in
support of the truth of this principle.
~~the quote~~ A dog took a strong dose of
Nux Vomica, and was afterwards
severely whipped. The emetic had
no effect upon his stomach owing
to the impressions upon his skin
predominating in force over the stimulus
of the vomit on the stomach. I shall
apply this principle more extensively
in speaking of the means of keeping
or destroying pain.

a strong mode of stimulating powers.
Dr Beddoes' fact. — Again Soldiers

under ~~this~~ head. ~~I have been~~

~~unnecessarily for our purpose~~. I

shall ~~now~~ add a few directions for deriving

the utmost possible benefit from

the knowledge of the principle we

have been established. ~~It~~ it is deeply founded

~~The principle~~ You see ~~is founded~~

~~this part of the~~ upon the laws of sensation,

~~upon One~~ of the

It is that only one impression of

a number of unequal impressions

can be felt at once, & that is the

strongest. ——

In the use of remedies to ~~obtain~~

destroy one morbid action by creat-

-ing another, take care 1: to

reduce the ~~two~~ morbid action by

depleting medicines, to such a

p. 135

formerly
I have called this the Ebullitiving point.
— I shall hereafter mark other points
for the exhibition of medicines,
& hope to you, that skill and
success in the practice of physic
wholly
depends upon a proper knowledge
& attention to these points.
— By attempting to excite the
Epispastic Disease, before the reduction of
the System to the Ebullitiving point, we
increase the Disease, & sometimes bring
on mortification. —

give him a dose of opium

degree, as that the remedy you use
to excite a morbid action ~~—~~ elsewhere
may overpower it immediately by
its superior force. — Eg: In a
malignant fever w^ch affects the
brain, and in madness, first reduce
the morbid excitement of the blood:
repels if you wish to excite the
mesenterial Angina or lose thirst.
or if you wish to derive benefit
from ~~Blis~~ exciting inflam^n on the
skin by Blisters in a fever, first
reduce the blood repels below the
~~blistering~~ point of pain usually
excited by a Blister. V ~~Its points~~ Is
2 Take care that the part in

produces no effect.

This principle [illegible] is of great ap-
=plication in morals, as well as in
I shall briefly hint at it. from vice
medicine. Reformation consists in
nothing but overcoming a weak
vicious action, by the stronger stimulus
of a virtuous action. + [illegible] much yet
remains to learned, as to the time
& manner of applying this stimulus
instruction & restraint
of virtue to overcome the morbid
actions of vice. The business
of education comprises be understood
or practised perfectly Untill
the principles which regulate the remedies
for a weak or
a weak & disordered body, are applied to
a weak & disordered mind. + 2ly Do
we overcome morbid action in a
vital part of the body, by exciting a

+ They hasten old age & death.

which your excite morbid actions
lie essential to life than that
in which the disease is seated. —
The skin - the Throat - the stomach
& the bowels are the usual chan-
nels thro' which morbid excitement
are conveyed out of the body, but
some of these morbid parts from Idiosyncrasy
are liable to affections from slimes-
li which would render a disease
on them unsafe, and thereby endan-
ger both your reputation and the
life of your patient. a mortification
from a Blister, an obstinate, or
incurable diarrhea from a purge
and a rupture from a Vomit have

V To this rule there are some exceptions. 1. Dr Darwin says he has found it necessary to excite delirium by strong doses of Opium in order to cure convulsions preferring he says "a temporary convulsion in the ideas to the risk of "durable Convulsions in every muscle of the body". I believe we have been too tender of the brain in our wishes to excite new actions.

2 I shall hereafter mention a mode of curing Tetanus by Drunkenness. Here temporary delirium is done to the brain in order to save the system from destructions by Spasms & famine. Dysentery cured by it in Parson Irwin's Uncle. —

3 I shall hereafter mention the Advantages of nearly famine hunger, to excite a degree of to endanger the life of the stomach in order to destroy disease & pain in the vital parts of the body more essential to life. 4 Even the lungs save Stomach, & pain in yellow fever. — Cough a good sign.

But There are cases in which a part more essential to life than a diseased part may be made the seat of an artificial disease that is When the former is in danger of disorganization from the long duration or violence of the disease.

cannot cure God & Drunkenness

they hasten old age & death.

in many instances wounded, or
destroyed the character of a Physician.
To prevent this, it will be necessary
to inquire whether there is a predispo-
sition to any of the above diseases
in patients, before you attempt
to translate an internal disease
to them. ~~To this rule Dr Dewees mentions an~~
~~exception. In Amenorrhoea dangerous from~~
~~this by induction, he advises the use of Opium, Cold Drinks~~
~~Bitter Infusion in Fever. Hiccup in Inflam.~~
3 When the morbid action you
have excited becomes languid, renew
it by a repetition of the stimuli,
or by exciting it in some other
part of the body. This will be
necessary for the same reason
that we change external stimuli.
I diminish gradually the impressions

V But there are other means - that is they lose their effects by repetition. Revolt here however - that repetitions of the same class sometimes possess a specifically different stimulus

4 The same repetitions which have lost their effects by repetition, after being laid aside for a while, act with their original force. Rotation therefore should always be observed in the use of stimulis. —

~~5 In the use of stimulants~~

V 4 Avail yourselves of a knowledge of associated motions to excite the stomach — ~~as Arms &~~ ~~Legs — E.G. Patey — in Bone Arm — Stimulate~~ ~~Other — Find out too immediate parts — as~~ ~~great toe in Gout~~ this stimulate the Legs and Stimulate the arms to excite a weak or paralitic One.

5 Stimulate previously a weak part if it be safe to do so in a general disease. EG: the great toe in the Gout — Stimulate

They hasten on the operation.

originally painful, by a diminution
of force, become pleasurable. In this
manner I account for the pleasure
imparted to the tongue by Tobacco.
~~Hence~~ It is necessary that a medicine
when given to ~~excess~~ preponderate over
action in another part of the body,
should act with a great deal of force,
so as sometimes to excite painful
~~or~~ if sensations. Now if the pain-
=ful sensations by repetition become
pleasurable from becoming weaker.
of course, that this must be changed
diminished from the forcible stimulating
~~for~~ In speaking of stimulants,

in most cases, it follows
medicine
when they have
repetition below
point. B-

~~introductory lecture~~ of a man could

† Dr Darwin relates an instance who overcame

the fatigue & pain of a long ride or walk

at any time by calling to his mind the

image of a man who had injured him & against

whom he felt the most resentful feelings. ☉

N This is an important indication

though debility be not a disease,

yet it is often worse than a disease,

and many people die of nothing else

— Indeed the morbid stimulus of a

disease is often the means of pro=

-tracting life; and death is in some

as I formerly remarked

instances the consequence of the re=

nothing else but

=moval of this disease. The remedio

for the cure of debility I have called Tonics

~~Under~~ I shall mention ~~Excitants~~ Stimulants +

☉ In some cases a disease may be produced in

a part highly essential to life in curing a disease

in a less ~~par~~ vital part, but dangerous from

its obstinacy & long duration. see p 92 Then

† There is often a low grade of disease connected

with this debility. I shall include them both

They have all the symptoms.

exercises of the 39 Understanding and
I include the stimulating passions,
act powerfully in
- They ~~in One instance in which they~~
overcoming morbid Action in One
part of the body by exciting it in Ano-
ther. Study often cures a head Ach, & consumption
~~Ach~~ ~~Ach~~ ~~Ach~~ 

© Fever in like manner has sometimes cured
head ach & hooping Cough. But the agreeable
sensations of rest are diseases. Joy has often
ceased dissipated a tooth ach, & the Arrival of
a friend has often braced the scale in favor of
life in the low & critical state of a fever: As
pleasant sensations predominate over painful
ones in number so as to produce a greater mass
of happiness than misery in the world, so
they often predominate over painful ones
in their medicinal effects. I mentioned
a fact in support of this law of sensation formerly
by Dr. J B Smith Shewing &c.

Even the pronouncing of popular names
words, and events in the case of persons in
the low states of disease has often done
great service as I shall say hereafter.

Mr Petit has published a curious Acc.

V I have thus enumerated the stimulating Remedies intended to produce new, & invigorating Actions in those Cases in which the System vibrates irregularly with them — But when the System is prostrated below the point of reaction — the same remedies should be used in stronger doses, and many others should be added to them — Quackery ~~has~~ since ~~has been in the form of water~~ to be mentioned hereafter.

V Conversed more freely with her patients, and infused in their minds with every medicine he prescribed a large share of Confidence and Hope. — I have seen an instant change for the better in a patient sinking under Disease & Disspair by his Physicians telling him that it would please him to die, if he wished it, and I have seen many patients much benefited by being told they could

of the effects of the various poisons upon
health & life by the destruction of Life during the
french Revolution. He says it caused less
diseases in young & middle aged people
=dically - It suspended them in old people,
but it killed all those persons who labored
under violent diseases. These facts will serve
to suggest caution to us in the use of the
passions, and the true mode of regulating
them as remedies. ~~Electricity~~

~~with the~~ How ~~being in Europe I~~ ~~do~~ The Stimulus of
~~next year.~~

Hope should be employed ~~employed~~ as far as is con-
=sistent with truth in all diseases which
require this Class of Medicines. It is the Vehicle
in which all our remedies should be admi=
=nistered. I have read of a Physician in France
of moderate talents who ~~had~~ was one of
several Physicians who was more successful
than any of his Colleagues only because he

V

= ever die. with their diseases if they were to try for it. ~~Hope thus excited will do~~

These encouraging expressions do more than excite Hope — they operate on the principle of Faith, the effects of which are as powerful in inducing Vigor in the mind & body.

Electricity & Galvanism — The former agents great presence — the latter useless.

V much morbid Action we give bottles of Wine, and sometimes pounds of broths or meat in a day, — but as much less quantity of both, is required to remove Debility, and given as I shall say presently in a different manner.

Again in overcoming =.

the Lebitual diet of this Country. ~~and~~ Such was the vehemence of the appetite for the latter ~~this~~ article of food, that I once saw a Virginia Soldier give a Dollar for a single pound of it, and I saw a convalescent in a hospital Soldier cry like a Child because he could not get a mess of it. It was customary for them to exchange their rations of fresh meat for this kind of salted meat with the farmers in the neighbourhood of their encampments. The cordial Advantages of this kind of food were much encreased probably by the pleasure they enjoyed in eating it, being associated with the remembrance of the ~~last~~ visionary happy times - place and Society in which they had been accustomed to eat them. But further - national habits and

Pleasures of Senses =

Touch - Nutriment - tobacco -
Odors - fine Light & music &c.

Chemicals
2 years
3 Hot & cold
2 months & day
2 Elect

1 Indisposition
2 Open Air
3 Change of Occupation
4 Dressing - night Air
5 Regimen to be observed
6 Poisons to be avoided.
Limited to Disease.

Change of Occupation - Profession - City - Country.
Travell - Long Voyage - Climate - Seasons - Winter Summer
Residence - Air & Water - Soil - Aspect
Change of Climate - Seasons did - before men
Baths - Cold - Warm - Shower - Vapour - Medicated - Sea - Cotton - Linnen
Limited to Diet - all - all - all - Drinks - Dr Jones &c
Intoxicating Poisons
Diet - Quantity - Quality - Preparation - Circumference
Avoid tight Dress - Sleep - Hours & Position - Exercise - Passions - Exciting Causes
Rest - Sleep - Hours & Position - Exercise - Passions - Exciting Causes
Digestion - Secretions - Urinary
Pulse - Medicines - Use of Dr Young - Cheyle.
Sound. Same remedies - good & bad effects as long -
Dull Acute Chronic Obscure remedies
Elect - Galvanism - Use of Opium
Paralytic - Contraction -
The Senses - Loss of Taste - Strong Taste,
Organs - Hearing - Diseases.
all - all - all - Dr Jones.

Vinesecury should not be omitted as an univer-
-sal stimulants, after les disagreable stimuli
have failed of succes. It will be most useful
when Disorder or Obstructions have taken place from the
Langour of the Circulation.

2/ The effects of intoxication upon persons not
in the habit of drinking strong drink, might
be tried with advantage. It acts by suddenly ex-
=iting the dormant excitement of the whole system and
it is in every struggle of this
afterwards looking is beyond bodys.

often resorted to a convivial Supper when he
had disposed, where he drank freely and was
cured. A patient of mine who had long suffered
from a feeble discase & debility was cured by a
fit of Drunkenness. Mr Earl of Maryland.
again as a remedy under the head of Satiety.
After this remedy, I will be brief in my mention
2/ Connected with this mode of rousing dormant
excitement, I shall mention a practice among
some of the Indians of our Country, when they
are debilitated in a long march. They pick

ups a broken limb of a tree, or a small log
and carry it a mile or two on their shoul=
=ders. After throwing it down, they feel
sensible from their fatigue, and move
more easily on their journies. —

22 Accidents which produce great tenor
or great bodily exertion often cure chro=
=nic diseases and debility in the man=
=ner I have mentioned. They awaken
~~the~~ the ~~the~~ exciting ~~Powers~~ of the ~~Nervous~~ system
~~Vessels and Cells~~ after ~~Vessels of a Body~~, and diffusing it by a
general Circulation fit it in every part of
the body. A man had a patient whom I pre=
=scribed for a train of hypocondriac af=
=fections for several years without much
effect who was cured by being overtaken
in a Snow Storm in the night in new
Jersey which concealed his

road, and compelled him to wander half
the night in the Woods. Upon coming
into a farm house he fainted — But soon
recovered, and has ever since enjoyed
good health. It has been remarked that
those persons who go to sea for their health
generally derive most benefit from their
voyage when they meet with a little stormy
weather. ~~weather~~ The Camp life cures Consamp-
=tions probably chiefly in the way
that has been mentioned. — D^r Blane
says the great hurricane in Barbadoes
in the year 1780 cured many Chronic
Diseases on the Island. The Parturition
has often cured in this way the Chronic
diseases of Barrenness, or a single life. —
~~Those~~ The effects of all these drafts upon
the Excitement may be imitated by Art, but it
will require great judgment to do so as to avoid injury by the

+ Here introduce Abstinent to be suited to Abstinence of Exercise & then Variety & Stimulants. 2 great enemies - Debility - here Liquid Aliments & by Weight & Measure. —

V But where there is a want of Appetite, what is to be done? Why we must still prescribe food. Do we wait for an Appetite for Bark, or Salts before we prescribe them? as improper would it be to be governed by the calls of Appetite in prescribing food as a medicine. As we sometimes observe a Relish for food without a weak Stomach, so we often find a strong Stomach & a quick digestion of food which has been swallowed, without any relish for it. R. 43

much morbid Action we give ℥ij
of Bark in a day ~~in a fever~~, but
in giving Bark to remove simple
debility, ℥ß only shd be given
two or three times a day
but persisted in for 2 or 3 months.

2 In the choice of ~~stimulants~~ tonics for
the removal of
simple debility, prefer such as
are durable in their operation.
Aliment is to be preferred to all
other ~~stimulants~~ tonics. The rules to be
observed in the use of diet as a
tonic are as follow; 1 To proportion
that which is agreeable to the taste,
& stomach of the patient; Story
of Lord Macclesfield & Dr Montague
2 To recommend eating five or six

V the stomach should never be
full, nor empty in weakly
people. Like a school boy if it is
not always kept busy, it will
be employed in doing mischief. —
I mentioned formerly — another advantage
of divided meals — viz its favouring an
increase of perspiration.

V but in all cases of debility, or
weak diseases. Revellet — that excitant?
is of a variable nature, and that
there are cases of debility in which it is
often
more accumulated than in the most
Violent Diseases. with and water — weak
but much grist
tea — Coffee — Chocolate — the liquor of Oysters
Sago — Salops — tabioca — Rice — roasted Apples
baked pears — Rice &c. turn back to 4

for
They hasten on the operation.

times a day, and once or twice if your
patients are sleepless in the night. ~~It~~ By
~~It~~ is thus we give medicines, and it
is thus we shall convert diet into a
medicine. A full meal should be avoided.
like poison ~~and death~~ in all cases of
debility. If have death ensue from it.
debility. I do not say diseases of debility,
for debility is not a disease - of course there
~~for these~~ is no such thing as a disease
of debility. Accommodate diet to the
excitability of the system. This is of
great importance in the convalescent
from fevers; not only
these
In diet in ~~this~~ cases should
consist first of vegetable ~~&~~ afterwards
~~Oysters~~ - eggs - with meats -
of weak broths - then of boiled
domestick
meat, & lastly of roasted meat.

5. Solid food is to be softened to liquid,
and salted meat to fresh; when we

~~Which solid food should be preferred to liquid. It is in general the~~ cases

There are diseases in which it is neces-
sary to advise our patients to live upon one
kind of Aliment only - whether it be flesh-
fish - or vegetables. ~~The~~ The component
parts of these Aliments are different from each
other, and when mixed in the stomach, exert an
-friendly influence on health. In many cases of
Obstinate diseases have been effected by a
homogenity in diet whether imposed by Accident
such as imprisonment or poverty, or advised by
a physician. I know a gentleman of the law in
this city who was cured of a dangerous disease in
his stomach by a diet consisting exclusively of boiled
Turnips. I have heard of an obstinate Asthma
being cured by a diet of boiled Carrots. Mr Coopers father.
wholly of bread & milk has eradicated the Gout from
many people. A Diet of fish has subdued a disposition to
inflam[matory] Diseases - The Juice of a diet of sweet apples,
and the Juice of the Sugar maple taken together
-selves & nothing with them have cured Consumps:
- Beef & Mutton with a little toasted bread have cured Dispepsia
in many instances, & a diet of Oysters alone has in
a late instance cured visceral Obstructions & Dropsy in

[illegible] on the opinion.

wish to obtain the greatest ~~stimulating~~ tonic
effects from ~~medicine~~ Aliment! I ~~have begun with~~ ~~once began upon~~
where there is but little excitability in the System. I have heard
an instance of a Lady who was subject to
Abortion from debility, who was re-
stored to health, & rendered prolific, by
giving several months wholly upon
~~solid food but confined to liquid food by the stomach~~ the ~~lower~~ bowels
a diet of Salted Meat. ^
That while liquid food makes most fat - solid makes most flesh.
Cows & Sheep use always most fleshy & their fat most solid, when
Oxen & Mutton they use no liquid food.
the lips ~~nourishing~~ diet should be
most
prefer to that which is more so, in ~~certain~~
cases of debility. Hippocrates long ago
said "the more you nourish an unhealthy
body, the more you hurt it!" — Debility
is connected with relaxation in the
blood vessels. Of course they soon be-
come distended. If plethoric from a
distended ~~with~~ convey much nourishment
into the body — ~~You know the Adage~~ There is another

V

Mrs Gibson.

a Lady in this city Under my care. Horse and beat cod & healthy - by one aliment - same quantity - precisely

V Of a Diet by weight & measure ~~bxxx~~ of ~~fruit~~ the same aliment has cured many diseases. There is an Art^e in the 2^nd Vol: of the medical Transactions of a certain Tho^s Wood who was cured of Rheumatism Epilepsy & exuperine fat brot on by intemperate living, by eating daily a pudding made of Biij of skimmed milk Bi of pounded ^fca biscuit - and two eggs boiled in a cloath for one hour ^ in which time it became solid. It was remarkable, if he used Bi of bread instead of Biscuit ~~instead of~~ he became thirsty - had unquiet sleep. & disagreable Dreams afterwards. - There is another fact equally applicable to this head related by Dr Cheyne. He tells us that a Dr Taylor cured himself of an Epilepsy of eating Bi of milk morning & Evening, and Biij at dinner, and no other aliment with it for near 20 years. ~~It was remarkable to~~ The Cows which gave him this milk lived wholly upon grass in summer & hay in Winter. If by Accident at any time they ate a little grain, the milk he says inflated & lay heavy upon his stomach. ^ Why alone has cured several diseases. An Attention to these facts & ^ is highly important, and the proper application of them, will always distinguish the correct - enlightned & philosophical physician from the mere dashing practitioner & Milk best with Physic. ^ These are of great importance. & uniform hours of eating.

Pray hasten on the Ayr opinion.

11 If certain Drinks may be considd as part of aliment. They stimulate gently & durably. These liquors are medicinal as ~~stimulants~~ tonics in the following Order. 1 Malt Liquors. 2. White Wines, as Sherry. madeira Lis= bon & Teneriff. 3 Low Wines as port - Claret - Burgundy - Champaigne &c. Pomona wine commonly called Cyder &c. I shall not add. ardent Spirits to the Catalogue of ~~stimulants~~ tonics, for a man had better die of what it will, than ~~live by~~ live for a few months, or even years respected by the use of this detestable and when swallowed slowly. medicine.

Brunonian Medicine. All Drinks more stimulating when hot — Wine hot stones intoxicate. ~~&~~ powerful

4 The Warm & cold Baths are powerful remedies for ~~cure~~ removing debility &

V.

p 45 rev

‡ is temperate (lower) — 96 — warm — 98 to 100 — hot. 104. 8. The

may be applied by Lead Vapour — Sand & Salt as well as
water & Salt may be added to water. they act differently &
V The warm Bath should be used
about 12. or 10 o'clock A
only in cases in which there is such
an waste of excitability, that there
is reason to fear the cold Bath would
not accumulate enough of it to be acted its
upon by the stimuli which produce the
tonic effects. Italy
the cold It is much used in
best in nervous debility.
in a complaint known there by the name of Lalegra.
its temperature should be from 96. to 104. or 8. ‡
The cold Bath acts indirectly as a
tonics
stimulant. It acts first as a sedative,
& thereby accumulates the excitab[ility] of
the system. upon this accum[ulated] Exc[itability]
the heat of the surrounding air (being
now much greater than ½ of the body) &
the exercise of Dressing, act so
tonic
as to produce stimulating effects, by
excit[ability] into
converting excitement. Fact The
be used in a warm vapour in a water
* Besides - these air, Vapour - and & Salt Baths. different as the
effects caused.

They hasten or act as sedatives.

thereby preventing the return of the

case. ~~I consider the Cold Baths~~ I shall deliver a few remarks
the ~~Cold Baths~~ formerly. 1 The Cold Bath
of operating ~~from~~ manner of using it.
on ~~the cold Baths~~ the to be effectual, should often be preceded
by the warm Bath. It disposes
the system more easily to accumulate
excitability, and on this the Cold
Bath acts in inducing healthy excite-
ment. 2 The water in the Cold Bath
should be tempered at first by standing
in the pans, or by an small quantity of
warm water with it. 3 The Cold Bath
to be effectual, should frequently be used two, three
or four times a day. — 4 Exercise or
frictions should be used after it.
5 Exercise should maintain a very
high rank as a medicine in all cases

V p 45.

Instinct prompts to Bath &
& to cold in winter & warm
in Summer. Reason op=
=poses of this instinct.
The Skin should be hard &
insensible in Cold Climates,
& soft in Cold Bath produces
this State of the Skin - It
should be soft is warm
Climates - warm Bath
renders it so. Besides Diseases
of Warm Countries are
internal. Do External
Congestions &c - warm bath
both gives them an op=
=ral direction - while
Diseases of Cold Countries:

are more external as

Gout & Rheumatism -

more the Cold Bath by

~~Lessening~~ Using ~~Destroying~~ Ten-

- sibility of joints - prevents

them. — It prevents

fevers too by keeping sensi-

- bility on skin - or ch.

Cold Air in inducing

them. But very different Ind

be the practice in the use of

the Cold Douches Bath in debility.

- The Cold in summer only the

warm in Winter.

1 It increases the circulation of the blood, and the heat of the body. 2 It promotes perspiration according to the manner in which it used. Dr Brown says a man lost ℥ij & 3/4 of an ounce of his weight when in exercise in his house, - ℥iv in walking in 2 hours the streets of 2 Din[2] in the sun, ℥xij in walking in the same time. Dr Currie says Collins lose 1/5 of their weight by labor in a day. 3 It promotes the action of the lymphatics - 4 It promotes muscular strength & 6 It prevents or cures Obesity. ---

of debility. It has been divided into
passive & active. Riding - the chamber
Friction - Sailing - Swinging
Exercise
& riding in a carriage are passive ex:
= ercises. Walking - is an active ex:
= ercise. Riding on ~~riding on horseback~~
~~and labor with the~~ is horseback, and
labor ~~with~~ or amusement with the
hands only is of a mixed nature partly
passive, & partly active. ~~The In cases~~
~~of extreme debility begin~~. The
following rules shd be Observed in the
use of exercise. 1 Begin in cases of
extreme debility with the passive
exercises. Frictions are proper in
the first place. Impregnate the brush
or flannel you use with some
such as Ardent Spirits or Wine.
gently stimulating Medicine. The
benefits

depends very much upon the constant
labor of these hands. — for how rarely
Do we see these parts of the female body
unemployed?

+ Trans. Hopkinson's Story.

V The efficacy of frictions extends not only to
improve the tone of the muscles, but to improve
the Secretions. A Cow that is well curried, gives
richer & better milk than one that is not. They cannot
be too highly commended in cases of debility. I once
read a Volume of Dr Boerhaave's Letters of Advice of his
Patients. In every case I well recollect he advised the
Daily use of frictions to the limbs or to every part of the body.

Chinese use the smoke of Asyrola
and other Aromatic gums for this
purpose. Perhaps some advantage
may be derived from rubbing the body
with a dry hand. The late discoveries
of ~~electricity~~ fluid ~~which~~ in the
nerves
~~body~~, and its passing out of the body
gives
~~makes~~ this mode of using friction
some probability of success. The Chinese
add to this frictions, gentle strokes
with the bare hand upon the limbs,
and body. They call it Chamfooing.
The effects of it are said to be wonder-
ful in overcoming debility. It adds to the comeliness, and
beauty of the face in young people, and it even
makes Old men young in point of
vigor & appearance. next to
frictions come the cradle, & the
Chamber horse. [Describe the latter].

v effects of the labor of the hands only
~~in other~~ appears still more in women
who enjoy excellent health in the most
sedentary situations, — for how rarely
do we see those parts of the body in
the female sex employed? We seem
to discuss things of no importance.

afterwards the exercise of the hands
in Shuttle cock - throwing balls
into the air, and catching them as
they fall, - & lifting weights. There is a curious
fact related by Dr Pearl which shews the benefit
of partial exercises of the limbs. The
Dr placed his hand in water of the temperature
of 56°. The water in 15 minutes rose to 65°.
where it remained stationary. By exercising
the hand & feet of the opposite side of his body
the heat of the water rose to 73° - a proof
that excitement was diffused by exercise
from a part to the whole body. We see the
effects of it daily in many sedentary who
employ their hands or feet only in their
occupations - such as shoemakers - Taylors
- Watchmakers - silversmith's - weavers &c -
who notwithstanding enjoy good health,
and live to a great age. The good

V These have great advantages over the Domestic exercises being enjoyed in the open Air. The benefits of Air appear in the greater strength of those which are most exposed & agitated by it.

Swinging was first recommended by Dr Haygarth & Carmichael Smith. I adopted it in the Pennsylvania hospital while I attended there in the Summer months, & with the happiest effects. It filled & raised the pulse in some cases. Drew care of pulmy Consumption was cured by it. Unfortunately it was believed to be a remedy first suggested by me, in consequence of which it was neglected

Sailing or a voyage is useful in many ways. It affords fresh pure Air - it excites the muscles to constant & gentle exercise by walking on Deck or in the Cabin - it creates a discard in the Stomach of the Ship, which disgorges the remains of other discases, & by shaking the Stomach renders it more active afterwards in digesting food - especially the solid & wholesome food of the Ship, & lastly it keeps up a perpetual conflict between the passions & emotions of fear - hope & joy - from the dangers of the sea - want of & fair winds - & the the sight of land & friends. Sailors are generally healthy until when their

They master & officers.

Jarring & riding in a Carriage come
next. V Gyrator hereafter –
The time may come, when
the Balloon ~~was~~ which has lately been
employed as yet only for the purposes
of Amusement or War, may be
used as the means of restoring health.
– The gentleness of the exercise, the
purity of the air through which the
Balloon passes, and above all the
variety ~~in the~~ and conflict in the
emotions & passions of the mind, could
not fail of ~~producing a great change~~ invigorating
a debilitated habit. Riding on
horseback is partly passive, & partly
active. It should be used gently
at first, and should be persisted in
for months, if we expect lasting

^ It raised the pulse. –

Ships are kept clean. Consumpⁿ is hardly known among them. ≠

V It has been commended above all Others modes of exercise in the pulmʳ Consumption, & in the debility of the stomach & bowels. It expends less excitability than Walking. Which = ≠ The Resolution Commanded by Capt Cook lost but four men out of 118 in three years & a half between the Latitudes 52 and 71. & one only of the 4 by sickness. Leaches & dry air is required Patients should be sent to the Middle of the ocean. Least transpiration & rain there. Exercise is of great importance

in the use of exercise; & ie - it shd seldom be used before Breakfast, soon after dippers

Combined with exercise, as a tonic medi= = cine is Labor. It not only prevents debility, and thereby ~~causes~~ removes health, but it sometimes ~~restores~~ it, and thereby restores health. Hundreds of persons have been saved from ~~death~~ premature graves by involuntary labor, ~~but~~ imposed upon them by being reduced from independance to the necessity of working for their subsistence. But Debility & even disease have been removed & cured by voluntary Labor - two remarkable instances of which are recorded in the 2nd number of Dr Coxe museum. In both cases there was great hereditary predisposition to that disease. Different kinds of Labor - hereafter

benefit from it. V ~~nothing~~ = is from
only for light indispositions. It is
said therefore to the means of
preserving, rather than of restoring
health. ^ but it may be used when in diseases of great
In the use of all these
exciting wch it is safe to expend excitability
species of exercise
Change the habitual labor or employments.
in common Care should be taken to
of invalids as Corp^s to ^ avoid de.
avoid fatigue. It is by the excess of
these exercises that they are often
brought into disrepute. Follow the
old rule here — accommodate them
all to the Condition of the System. &
"Ne quid nimis" & "Omne nimium est natura inimicum". +
& certain instruments by their
gentle stimulus, help to remove
debility. But remember Change of Occup?
& Travelling is ~~agreeable~~ and

V 2 of Season. The ~~disease~~ Debility left by of Summer seldom goes completely off till the middle of Winter, while the ~~disease~~ debility induced by the of the latter Season, is sometimes only to be cured by the air of midsummer.

V 3 Habitual debility is sometimes removed by a change of occupation. ~~I have~~ a many trades impair health and Strength. I once cured a Hatter ~~by~~ who was never well by advising him to quit his business. He did so & opened an Iron =mongery Store. He now enjoys good health.

4 a change of Diet, also of Situation as to City & Country ~~is~~ have all removed predisposing debility, & thereby prevented Disease. — It would seem as if Changes were essential to health. as well as night long ~~to~~ than the same ~~in sleeping dis~~ position of our bodies. We cannot ~~to~~ ^ ^ ^ ^ ^ ^ require variety. The same ~~wise~~ sounds & objects ^ ^ ^ ^ ^ ^

11th
Travelling is a agreeable & useful stimulus. Here the remedy
Objects daily
consists in the by exercise, the
change of Air, and a constant
succession of new Objects. —
certain is highly useful in strengthening a
11 Of the weak habit. It
Of the change of Climate, pours a fresh
quantity of stimulus upon a
debilitated System. Here new objects
& new companions destroy all former
associations of ideas & emotions. These
two last remedies are particularly
useful
in all cases of nervous debility. IX.
Change
15 Cheerful company, & light
reading of pleasant stories, add much
to the efficacy of all the above mentd
remedies. Here too fatigue must
be avoided.

V 19 a long lecture might be
given upon the necessity of weakly
people accommodating their dress to
the Seasons, and upon the dresses
Better 3° too warm, than one too cold. Improper
proper for each every State debility
apt to take cold – tho' not always – the suitable dress –
flannel, or Cotton next to the
Skin. They shd
Skin is proper in all cases. It
be proper under or all cloaths by men, & under
the petticoats, by women. They obviate the
right Ligatures are improper in
the last two years.
every part of the body, more espe-
=cially when weakly people lie
Down to rest in the day time. From
the fulness of the blood Vessels – the whole body swells.
As a feather bed relaxes, &
thus adds to debility, it will be best
for debilitated people to sleep upon
Eider down Covers –
a matrass. — Sleeping between blankets
should be advised where debility is attended with
Chillness or heat below 96° to Small taverns &c
to be avoided.

17

Always advise debilitated patients
(late & early) same hour for reasons formerly
to go to bed early. Late hours ex=
mentioned. night fever.
=haust the excitability of the
System, and when spent as they
generally are in a close room,
they expose inwardly people to the
typhus Air of burning Candles. (also
They should further be advised
to rise at the same hour & to alternate sides in sleeping.
and never to sleep on the back.
18 Do The night Air & damps wea=
=thers are always hurtful in cases
of debility. — 20 is 16 Luncy.
Hence the advantage of ad=
=vising married men who are richly
to travel — for by this means they
they may be restr.d from injuring
themselves by sensual pleasures.
20 Of the medicines proper to

+ ~~The~~ effects of intoxication ~~any~~ upon persons
~~not~~ on the habit of drinking strong drinks
might be tried with advantage. It once cured
a gent: in many cases of nervous debility.
- Acts by suddenly ~~destroy~~ exciting the whole
system to thus bringing it into good health.
Dr Alghorn's fact: ~~No one will live by one~~ of Drunkenness.
V Mercury should not be over-
looked as an universal stimulant,
after less disagreeable stimuli have
failed of success. — It will be most
useful where Obstructions have taken
place from the languor of the circulation
as above +
~~IF as debilitated persons~~ are ~~to~~ subject
to taking cold, it should be obviated by
advising them to wear flannel next to
the skin. Flannel drawers should
be worn under small clothes by
men, and under petticoats by
women.
+ Drunkenness. Mr Earle's case to fillip
away his disease.

the different preparations

overcome simple debility, steel

& Bark of Pond bark,

are the best. It should be given

mixed with some bitter

Medicine I Jas - Gentian - Garlic - and Jun-

-perine are all useful for the

same purpose. They may be taken

as frequently & as safely as food.

23

In the use of all these tonic

Medicines, take care to attend to

the state of the bystem. Remember Debility is

threshold

the next door neighbour of disease,

& the system always in a craving state for it. Is always

and alive hence we seldom find wealthy

Laxum or Objection

people long free from morbid

excitement in some part of the

body. In all these cases when

they occur, tonics should be ≠

same words

# intermitted till the cerebrial morbid excitement is cured. Of great consequence this fact of the Physician

I have hither to spoken of that

degree of debility in which the body is capable of motion, or in which the patient is able to walk about. But there is a degree of debility which descends below this point, and appears in the form of Syncope & palsy in all of which there is total asphixia. Absence of motion, and sometimes of sensation. The remedies here should be somewhat different from those we have been mentioned, & they are to be differently applied. In Syncope when they come on suddenly, & asphixia the excitab[ility] is highly accumulated - hence the most gentle stimuli are first indicated. The

away his disease. +

+ [illegible]

intermitts. untill the morbid occasional
Action is subdued.

We come now to the medicines which remove redundant or foreign matters from the body, & wch offend by their quantity or quality. —

These matters are collected in the Stomach, bowels, liver, the bladder & the Thorax, bowels, and cellular membrane. they are mucus - an acid humor - Bile, worms matters
feces - water - pus - calcarious matter and fat.

The remedies proper to discharge them are 1 Vomits. 2 purges. 3 Diuretics, 4 Deobstruents, 5 anthelmentics & 6 tonics, 7 or depleting remedies according to the state of the pulse, &

feable Stimulus
~~Conjectures~~ of a few
thrown on the
lowest features,
a few minutes.
exposure to cold
the immersing
its common temperature, which tho'
cold, is warm compared with the
morbid coldness of the body. I suppose
we use too powerful stimuli in
all ~~recent~~ recent cases of Palsy. The
gentle friction of a hand, rubbed ~~upon~~
upon a limb has often done more
service than nettles, cantharides,
and all the different aromatic &
volatile Liniments. —
But there are cases in which
go to p. 55 V—

drops of cold water
face, or the smell of
often cure Syncope in
Asphixia from ~~Lea~~
or Snow is cured by
2

## Certain Surgical Operations.

X

Of medicines which remove Diseases by mixing with, & thus destroying Matters which offend by their Quality. —

The medicines which belong to this class were formerly said to be very numerous, when diseases were supposed to depend upon morbific humors. They are now very much limited. ~~Perhaps~~ ~~the Bile~~ morbid Acid of the Stomach may be destroyed by magnesia — the Vig: alkali — by milk, and by an Animal diet. Acid & morbid
2 Bile may be obtunded by the ↑ plentiful use of Vig: Acids. —